

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Kouichi TAKAMUNE, et al.

Appln. No. Not Yet Assigned

Group Art Unit: Not Yet Assigned

Confirmation No.: Not Yet Assigned

Examiner: Not Yet Assigned

Filed: September 12, 2001

For: THRUST CONVERTER, METHOD OF CONTROLLING THE SAME, AND  
CONTROLLER FOR CONTROLLING THE SAME

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached Form PTO-1449 and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date for an application other than a continued prosecution application (CPA) under §1.53(d); (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

INFORMATION DISCLOSURE STATEMENT  
Attorney Docket No. Q66148

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant submits the following explanations:

**Japanese Unexamined Patent Publication No. Hei. 2-9521 discloses that an electric motor-driven type chuck apparatus for opening and closing a chuck jaw by reciprocating traction axis in an axial direction by driving means having electric motor as a driving force, the electric motor-driven type chuck apparatus comprises a screw nut engaged with the periphery of the traction axis and rotated by the driving means and first and second elastic members for preventing the screw nut from rotating when one or the other side is applied force.**

**Japanese Unexamined Patent Publication No. Sho62-34708 discloses that a turning force of an electric motor reduced speed by an epicycle reduction gear to rotate a nut through a clutch and thus linear motion of draw bolt is obtained.**

**Japanese Unexamined Patent Publication No. Hei. 6-26511 discloses that a nut itself has toggle structure and tightly fastening or loosening can be done by automatically operating in low torque without a toggle tool.**

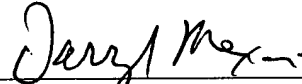
**Japanese Unexamined Patent Publication No. Hei 10-138021 discloses that a chuck opening/ closing lever is rocked by a motor to control motion of a finger engaging therewith and opening/closing of a collet chuck is conducted.**

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not

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waive any right to take any action that would be appropriate to antedate or otherwise remove any  
listed document as a competent reference against the claims of the present application.

Respectfully submitted,



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